CLAIM CHANGES:

1. Cancelled
2. Cancelled.
3. Cancelled
4. Cancelled.
5. Cancelled.
6. Cancelled.
7. Cancelled.
8. Cancelled.
9. Cancelled.
10. Cancelled.
11. Cancelled.
12. Cancelled
13. Cancelled.
14. Cancelled.
15. A double monochromator including:
    (a) an entrance slit for accepting light;
    (b) a first optical grating positioned to intercept and disperse the accepted light from the entrance slit;
    (c) a first selection slit positioned to intercept a least part of the dispersed light from the first optical grating and select and pass a narrowed range of wavelengths from such dispersed light;
    (d) a second optical grating positioned to intercept and disperse the passed light from the first selection slit; and
    (e) a second selection slit positioned to intercept at least part of the dispersed light from the second optical grating and select and pass a narrowed range of wavelengths from such dispersed light
16. The double monochromator of claim 15, wherein the first optical grating and the second optical grating are both concave gratings.

17. The double monochromator of claim 16, wherein the concave gratings are holographic concave gratings.

18. The double monochromator of claim 15, wherein the first optical grating and the second optical grating pivot about axes of rotation for selecting a desired range of wavelengths of light as a function of angle of rotation.

19. The double monochromator of claim 15, further including a band drive, coupled to each of the first optical grating and the second optical grating, for rotating the first optical grating and the second optical grating synchronously.

20. A reflection light transfer module including:

(a) an input mirror, positioned substantially coaxial with an area to be illuminated, for directing incoming light to illuminate the area; and

(b) an output mirror, positioned substantially coaxial with the area to be illuminated and in reflective alignment with the input mirror, for collecting focusing, and directing light emitted by the area upon illumination.

21. The reflection light transfer module of claim 20, wherein the emission is a spherical mirror.

22. The reflection light transfer module of claim 20, wherein the excitation and emission mirrors are first-surface mirrors.